

## LAB 2

copy data from share drive to you L:\home\{your id}

SUBMIT ALL WORK ON Canvas:

- Map 1 (Minnesota Counties and the World from Space inserted data frame
- Map 2) (three projections of Minnesota)
- Both Maps submitted to Lab 2 Dropbox

In the lab you will be asked to write down several measurements and coordinates. When you are done with the lab submit your answers via Lab 2 Worksheet Data Quiz (on Canvas Week 3)



Distance across Minnesota, from northeast to southwest, in kilometers:

Albers:

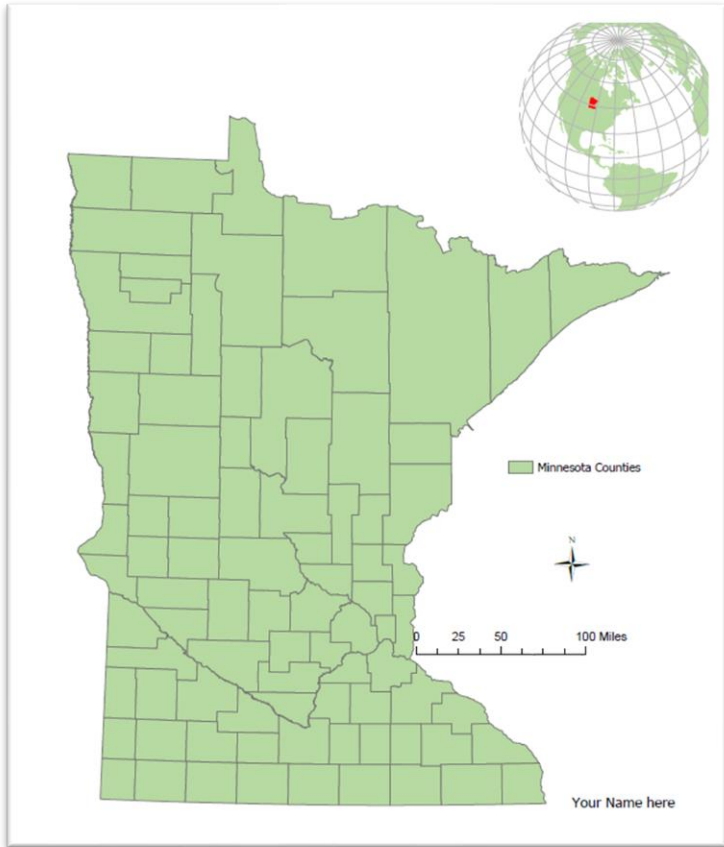
UTM Zone 15N:

Custom Mercator:

Sample form to collect/write  
your answers down for later  
entry into the Lab 2 Worksheet  
Data Quiz on Canvas

**Coordinates** of northeast corner of Ramsey County:

Projection	x-coordinate	y-coordinate
Albers (Meters)		
UTM Zone 15 (Meters)		
Custom Mercator (Meters)		



### Comparison of Three Map Projections by a student



UTM Zone  
15 North



Albers



Mercator

□ Minnesota County Boundaries



0 125 250 500 750 1,000 Kilometers

1:10,000,000